

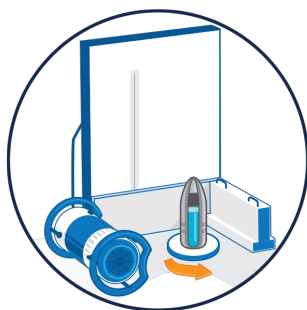


# FACT SHEET

## RECOVERED CHEMICAL MATERIEL DIRECTORATE

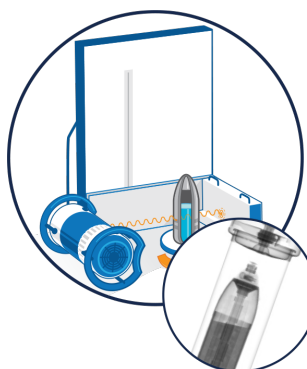
### DIGITAL RADIOGRAPHY AND COMPUTED TOMOGRAPHY SYSTEM (DRCT)

The DRCT uses digital X-ray photography to identify munition contents and explosive potential.



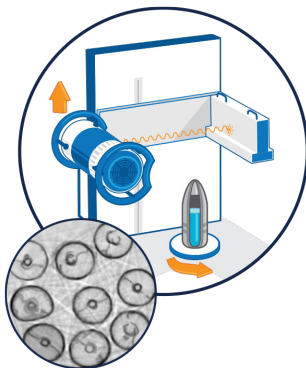
#### Step 1

Similar to getting an X-ray in the hospital, DRCT uses an X-ray generator and detector to vertically scan a suspect chemical munition on a platform.



#### Step 2

The scan produces a digital view of the munition's interior to show if the munition contains a liquid fill and explosive components.



#### Step 3

DRCT can produce a conventional digital X-ray image and an atomographic (two-dimensional X-ray) image.



*The Digital Radiography and Computed Tomography System uses X-ray technology to vertically scan a suspect chemical munition on a rotating platform to produce a digital view of the interior, similar to a CAT scan.*

### DRCT

DRCT technology is a transportable, non-intrusive assessment system that analyzes and provides on-site information about the contents of unidentified munitions without opening them. This greatly reduces risk to the public, workers and emergency response personnel by rapidly obtaining detailed information and distributing it to the appropriate authorities and responders.

